



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090508-B

Mode: Highway

Status: Submitted

US-1 BUS , US-15, US-501 (Hawkins Avenue)

From/Cross Street: US 1

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1462 (Brown Road)

Project Category: Regional Impact

Length: 2.23

TIP#: U-5004

Fully Funded in Draft STIP? No

Cost to NCDOT: \$19,120,000

Description:

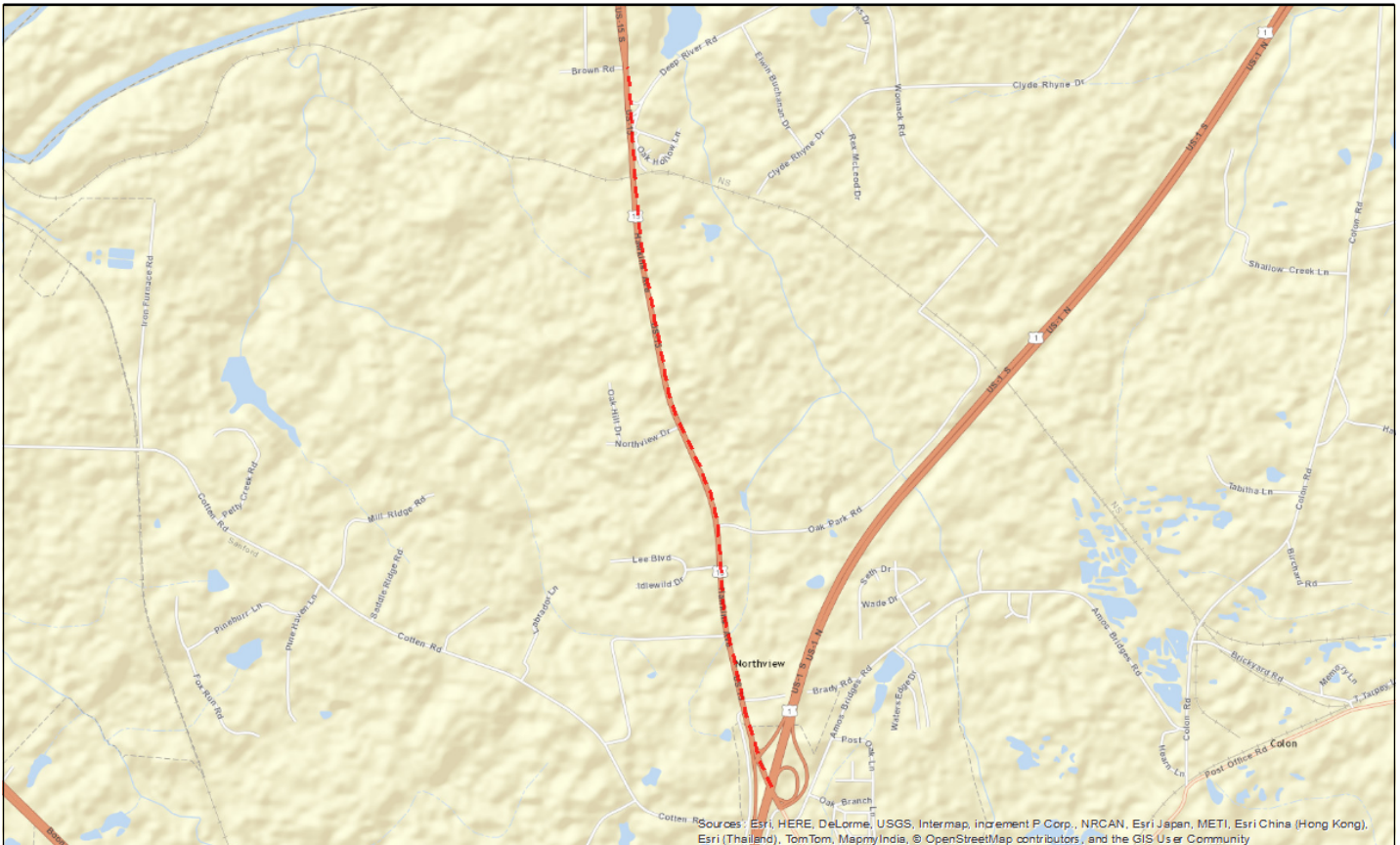
Widen from 4 Lane Undivided to 4 Lane Divided Roadway

Division(s): Division 8

County(s): LEE

MPOS(s)/RPO(s): Triangle Area RPO

Project Location



Statewide Mobility Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|-------------------------------|
| Totals: Weight: 0% Weighted Score: 0 | N/A | N/A |

Regional Impact Total Score: 22.46

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|-------------------------------|
| Accessibility / Connectivity (10%) 12.80 | Percent: 15% | Percent: 15% |
| Congestion (V/C) (25%) 56.40 | Points: 0 | Points: 11 |
| Safety (10%) 54.35 | | |
| [Travel Time] Benefit/Cost (25%) 0.00 | | |
| Totals: Weight: 70% Weighted Score: 20.81 | | |

Division Needs Total Score: 16.71

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|-------------------------------|
| Congestion (V/C) (20%) 56.40 | Percent: 25% | Percent: 25% |
| Safety (10%) 54.35 | Points: 0 | Points: 0 |
| [Travel Time] Benefit/Cost (20%) 0.00 | | |
| Totals: Weight: 50% Weighted Score: 16.71 | | |

Project Data ***Existing Conditions**

| | |
|---|------------------|
| Existing Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles): | 2.23 |
| Facility Type: | Two Lane Highway |
| Access Control: | None |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| Lane Width: | 12 |
| Paved Shoulder Width: | 4 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 13204.36 |
| Capacity: | 15500 |
| Volume/Capacity Ratio: | 0.85 |
| % Autos: | 100% |
| % Trucks: | 0% |
| Truck Volume: | 0 |
| Crash Density: | 57.1 |
| Crash Severity: | 67.93 |
| Critical Crash Rate: | 38.05 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 2 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 22 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 97 |
| Actual Congested Speed: | 54.49 |
| Travel Time Index: | 1.01 |

Project Benefits

| | |
|--|---|
| Project Cross-Section: | 4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks |
| Speed Limit: | 45 |
| Length (miles): | 2.23 |
| Facility Type: | Arterial |
| Access Control: | Partial |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | -3373038.72 |
| Travel Time Savings for 30 Years (Autos): | -3373038.72 |
| Travel Time Savings for 30 Years (Trucks): | 0 |
| Long-Term Employment: | |
| % Change in Economy: | |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | No |
| In CTP or LRTP? | No |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 8 |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 8 | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 0 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|----------------|------------------------|-----------------------|
| Triangle Area RPO | 100% | 11 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 11 | 0 |

Project Cost and Source

| | | |
|------------------------|---------------------|----------------------|
| Construction Cost: | \$18,072,000 | Cost Estimation Tool |
| Right-of-Way Cost: | \$936,000 | Cost Estimation Tool |
| Utilities Cost: | \$112,000 | Cost Estimation Tool |
| Total Project Cost: | \$19,120,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$19,120,000 | |